

[Name of Document] ABSTRACT

[Abstract]

[Object] To provide an image display device, such as a liquid crystal television receiver or the like, that has a printer incorporated therein for printing a displayed image on the spot.

[Solving Means] Upon switching-on of a television receiver 10, an image forming device 16 goes into action and television images or the like are projected onto a display screen 14. Here, by appropriately operating an operation section 25 or the like, a command requiring images being displayed on the display screen 14 to be printed out, is inputted into the image forming device 16. As a result, the printing command signal is issued from the data processing section 81 provided in the output section 80 to the printer unit 23, together with an image file appropriately converted from video signals. The printer unit 23 develops the inputted image file, prints the corresponding image, and outputs it.

[Selected Figure] Fig. 1

FIG. 6

65: DETACHABLE SWITCH
81: DATA PROCESSING
82: SWITCH DETECTION
91: INPUT INTERFACE
95: OUTPUT INTERFACE
101: THERMAL HEAD
102: HEAD DRIVE CIRCUIT
103: PAPER/RIBBON FEED MOTOR
105: MOTOR DRIVE CIRCUIT

FIG. 8

65: DETACHABLE SWITCH
VIDEO SIGNAL
81a: DATA PROCESSING CIRCUIT
81b: OUTPUT INTERFACE
82: SWITCH DETECTION
87: STORAGE DEVICE
88: POWER SUPPLY DEVICE
POWER SUPPLY
91: INPUT INTERFACE

FIG. 9

PRINTER DEMOUNTING PROCESSING
S1: DETECT PRINTER DEMOUNTING SIGNAL;

START INTERRUPTION PROCESSING

S2: UNDER PRINTING ?

S3: PRINT INTERRUPTION PROCESSING

S4: HOLD INTERRUPTED PRINT SPOOL INFORMATION IN MEMORY

S5: DISCONNECTION OF CONNECTION PROTOCOL

S6: POWERING-OFF OF PRINTER

S7: PRINTER DEMOUNTING WORK

DEMOUNTING COMPLETED

FIG. 10

PRINTER MOUNTING PROCESSING

S11: PRINTER MOUNTING WORK

S12: DETECTION OF PRINTER MOUNTING SIGNAL

S13: POWERING-ON OF PRINTER

S14: RECONNECTION OF CONNECTION PROTOCOL

S15: INTERRUPTION IN COURSE OF PRINTING

S16: RESTART PRINTING FROM INTERRUPTED PRINT SPOOL

DEMOUNTING COMPLETED